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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,405	05/03/2004	Isaac Cohen		3404
41427	7590	04/11/2006		
ISAAC COHEN 1171 CARLL'S STRAIGHT PATH DIX HILLS, NY 11746			EXAMINER NGUYEN, MATTHEW VAN	
			ART UNIT 2838	PAPER NUMBER

DATE MAILED: 04/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/709,405

Applicant(s)

COHEN, ISAAC

Examiner

MATTHEW V. NGUYEN

Art Unit

2838

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 May 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

1. The disclosure should be carefully reviewed and ensure that any and all grammatical, idiomatic, and spelling or other minor errors are corrected. For instance, in Abstract, last line, "said" should be deleted; in Specification, [0003], last line, before "bus", "2" should be changed to - 4 --.

2. Claims 3 and 4 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. In claims 3 and 4, the averaging and summing means being "analog" and "digital", respectively, are not disclosed in the specification.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Leventis et al. (U.S. Pat. No. 4,866,295) in view of Perry (U.S. Pat. No. 6,343,026).

With regard to claims 1-3, 5 and 6, Leventis et al. (i.e, Fig. 1) shows a method and circuit for generating a signal proportional to the output current comprising current sensing means (6, 8) for generating signals proportional to the current in

the circuit, averaging and summing means (at 10) for generating a signal proportional to the sum of the input current and to the output current of the power source (2, 4), the signal being used for controlling and monitoring purposes (see col. 1, line 21 – col. 4, line 33).

Leventis et al. does not show downstream converters (in fact, reference of Leventis discloses power supply circuits 2 and 4).

Perry (i.e, Fig. 1) shows a power supply circuit in which downstream converters (1, 2) are comprised.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize downstream converters as shown in Perry into the power supply circuit of Leventis et al. for the purpose of having a more regulated output current for the load.

4. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Leventis et al. in view of Perry as applied to claim 1 above, and further in view of Burns et al. (U.S. Pat. No. 6,377,037).

With regard to claim 4, Leventis et al. in view of Perry shows a method and circuit for generating a signal proportional to the output current comprising all the claimed subject matter as discussed in the subparagraph 3 above, except for the averaging and summing means being digital.

Burns et al. (i.e., Figs. 1-3) a power supply device in which the current sensor is processed into the digitized current with sampled current data.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize digital processing onto the current sensor as shown by Burns et al. into the power supply device of Leventis et al. and Perry for the purpose of enhancing the accuracy of the circuit.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Shelly (U.S. Pat. No. 4,425,613), Moriya (U.S. Pat. No. 5,121,315) and McKim et al. (U.S. Pat. No. 6,741,103) also disclose power supply devices each of which comprises substantial elements as recited in the claims of the instant application

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew V. Nguyen whose telephone number is (571) 272-2081.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2800.

Matthew V. Nguyen
MATTHEW V. NGUYEN
PRIMARY EXAMINER